

Fig. 1

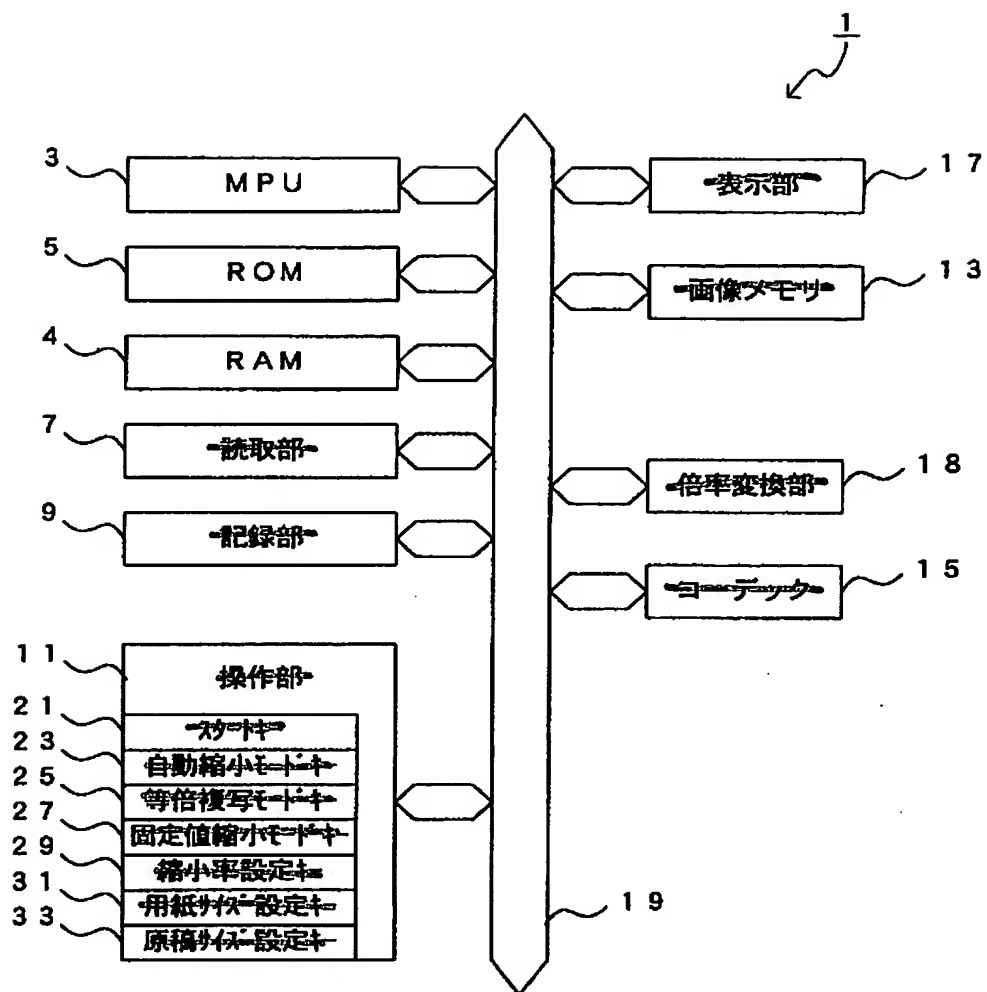


FIG. 1

7: READING SECTION

9: RECORDING SECTION

11: OPERATION SECTION

13: IMAGE MEMORY

15: CODEC

17: DISPLAY SECTION

18: RATIO CHANGING SECTION

21: START KEY

23: AUTO REDUCTION MODE KEY

25: ACTUAL-SIZE COPY MODE KEY

27: FIXED REDUCTION MODE KEY

29: REDUCTION RATIO SETTING KEY

31: PAPER SIZE SETTING KEY

33: DOCUMENT SIZE SETTING KEY

Fig. 2

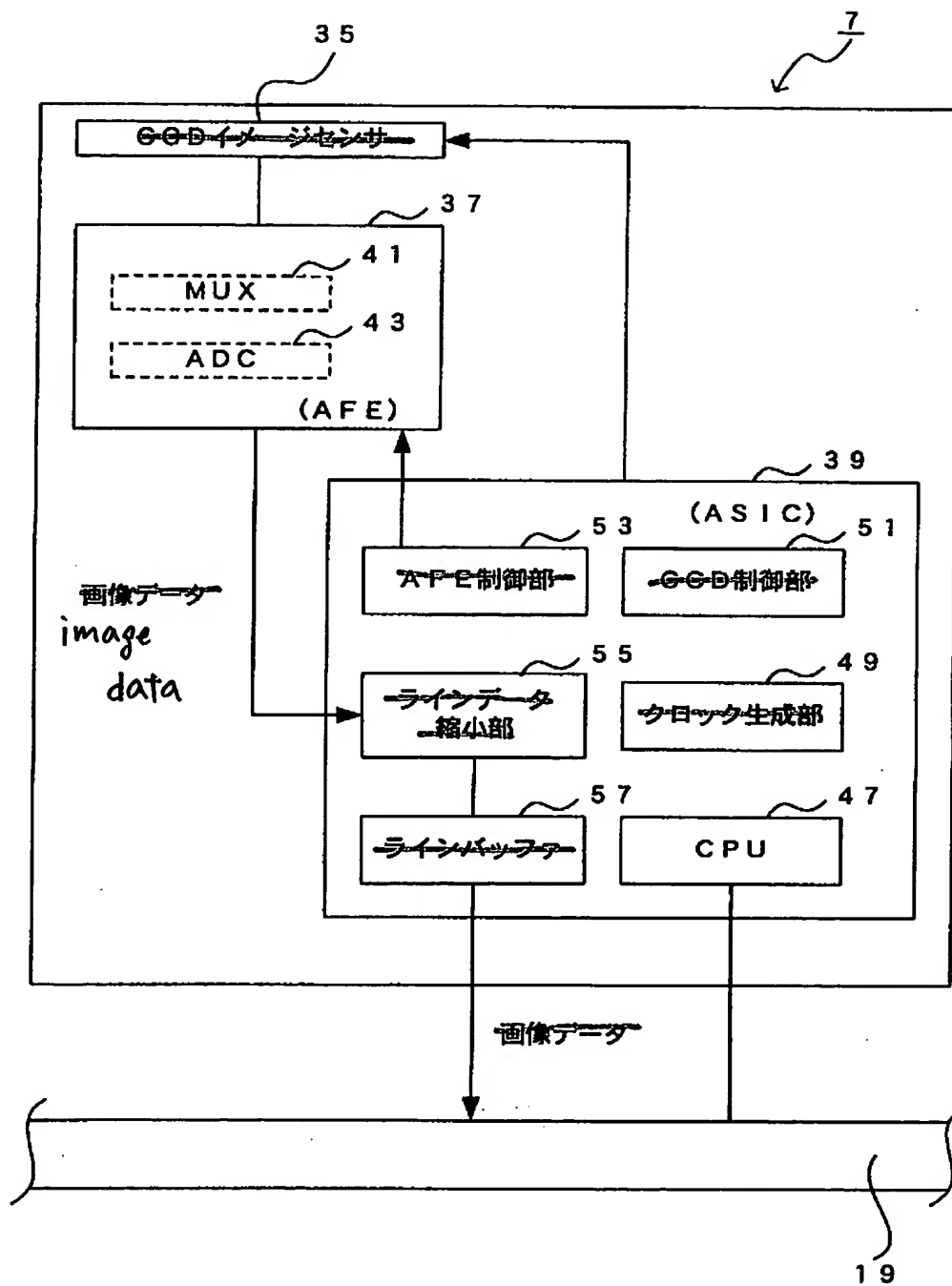


FIG. 2

35: CCD IMAGE SENSOR

49: CLOCK GENERATION SECTION

51: CCD CONTROL SECTION

53: AFE CONTROL SECTION

55: LINE DATA REDUCTION SECTION

57: LINE BUFFER

Fig. 3

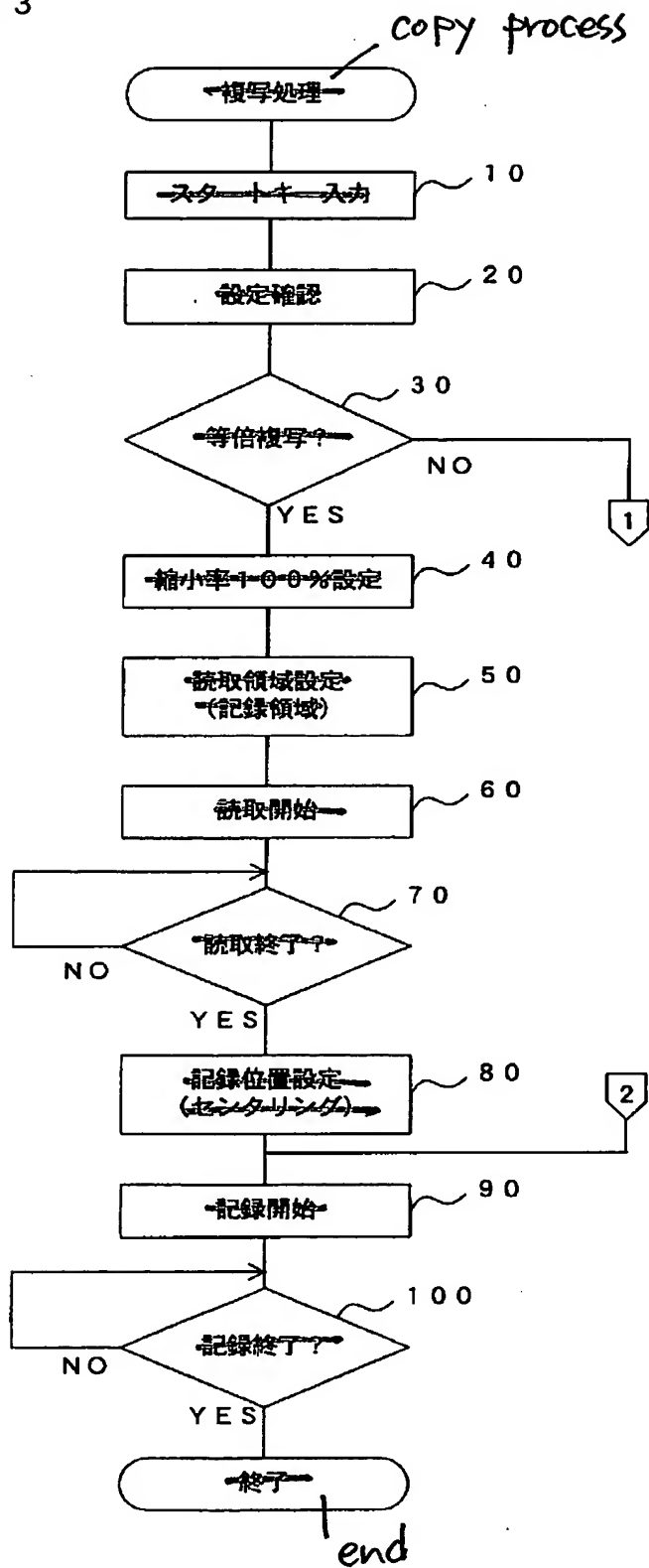


FIG. 3

10: INPUT START KEY.
20: CONFIRM SETTINGS.
30: IS IT ACTUAL-SIZE COPY?
40: SET REDUCTION RATIO AT 100 %.
50: SET READING AREA (RECORDING AREA).
60: START READING.
70: IS READING COMPLETED?
80: SET RECORDING POSITION (CENTERING).
90: START RECORDING.
100: IS RECORDING COMPLETED?

Fig. 4

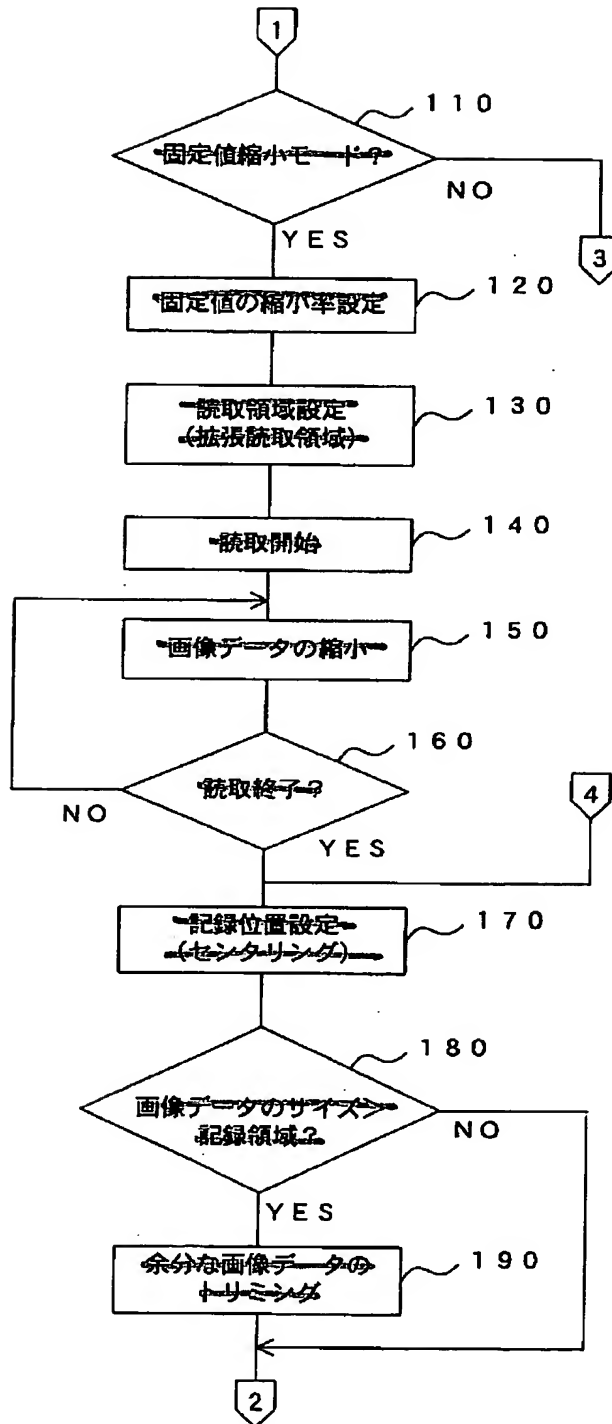


FIG. 4

110: IS IT FIXED REDUCTION MODE?

120: SET REDUCTION RATIO AT FIXED VALUE.

130: SET READING AREA (EXTENDED READING AREA).

140: START READING.

150: REDUCE IMAGE DATA.

160: IS READING COMPLETED?

170: SET RECORDING POSITION (CENTERING).

180: IS THE SIZE OF IMAGE DATA LARGER THAN THE RECORDING AREA?

190: TRIM EXTRA IMAGE DATA.

Fig. 5

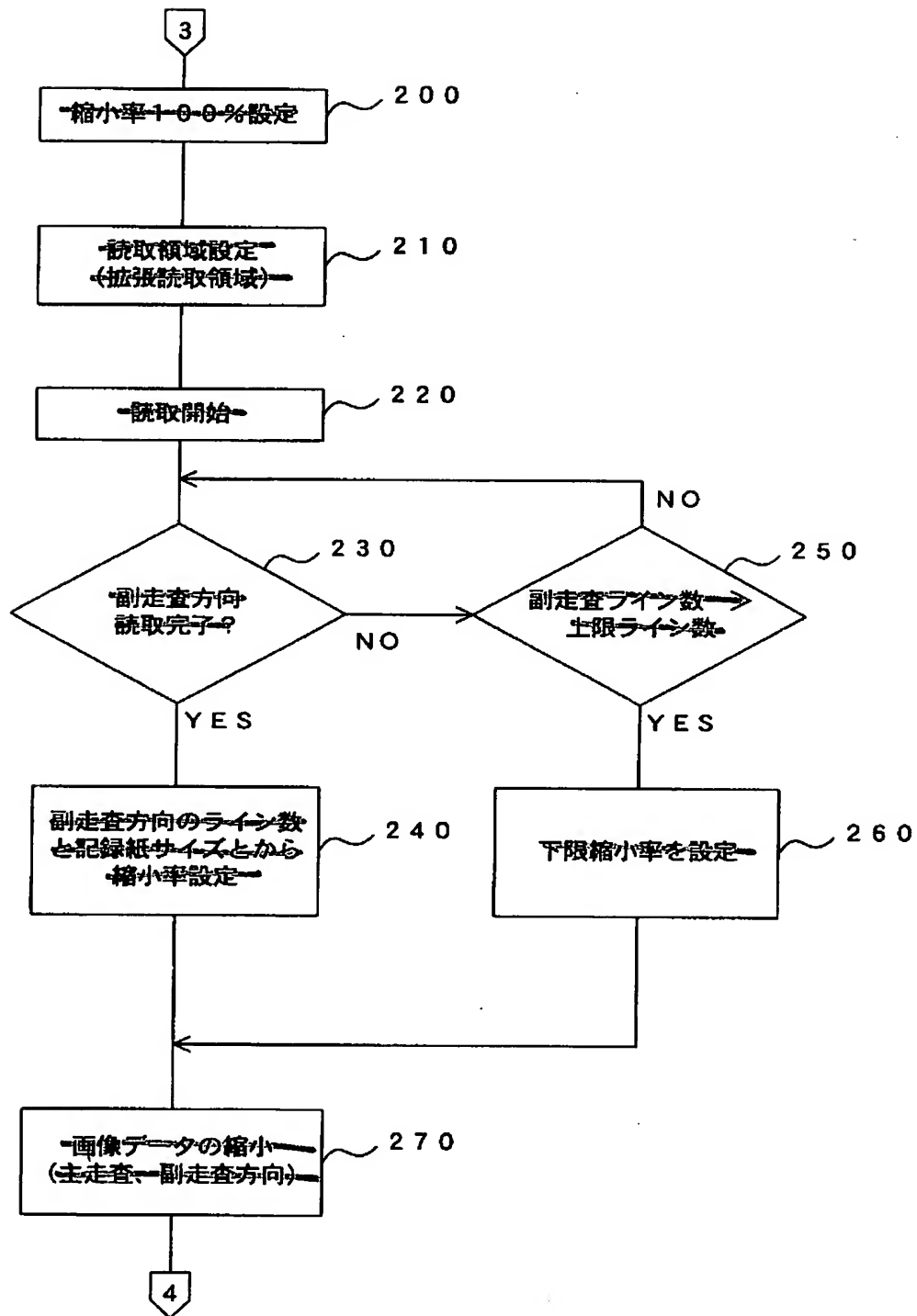


FIG. 5

200: SET REDUCTION RATIO AT 100 %.

210: SET READING AREA (EXTENDED READING AREA) .

220: START READING.

230: IS READING IN SUB-SCANNING DIRECTION COMPLETED?

240: SET REDUCTION RATIO ON THE BASIS OF NUMBER OF LINES IN
SUB-SCANNING DIRECTION AND SIZE OF RECORDING PAPER.

250: IS NUMBER OF SUB-SCANNING LINES LARGER THAN UPPER LIMIT
IN NUMBER OF LINES?

260: SET LOWER LIMIT OF REDUCTION RATIO AS REDUCTION RATIO.

270: REDUCE IMAGE DATA (IN MAIN SCANNING AND SUB-SCANNING
DIRECTIONS) .

Fig. 6A

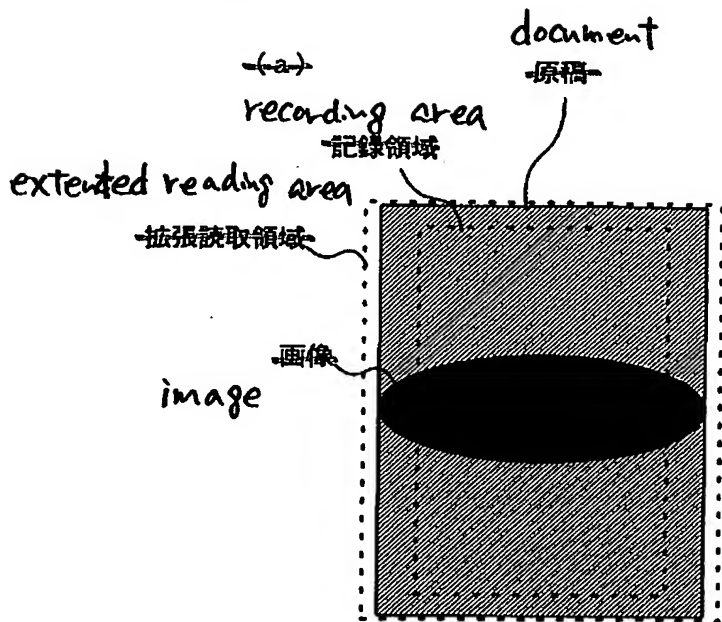


Fig. 6B

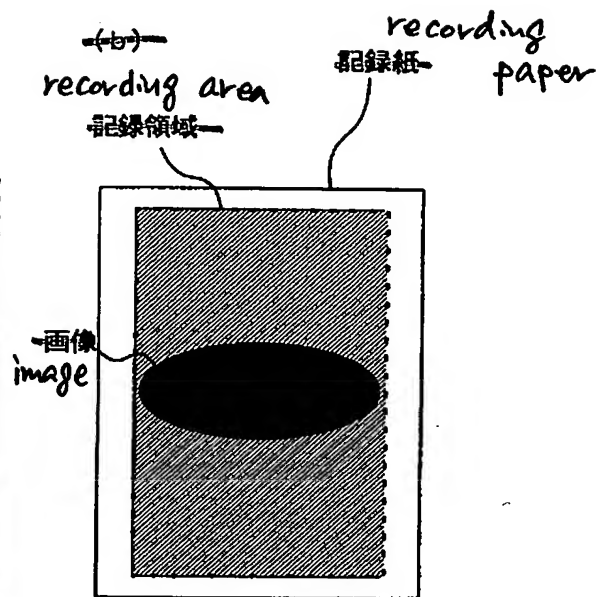


Fig. 7A

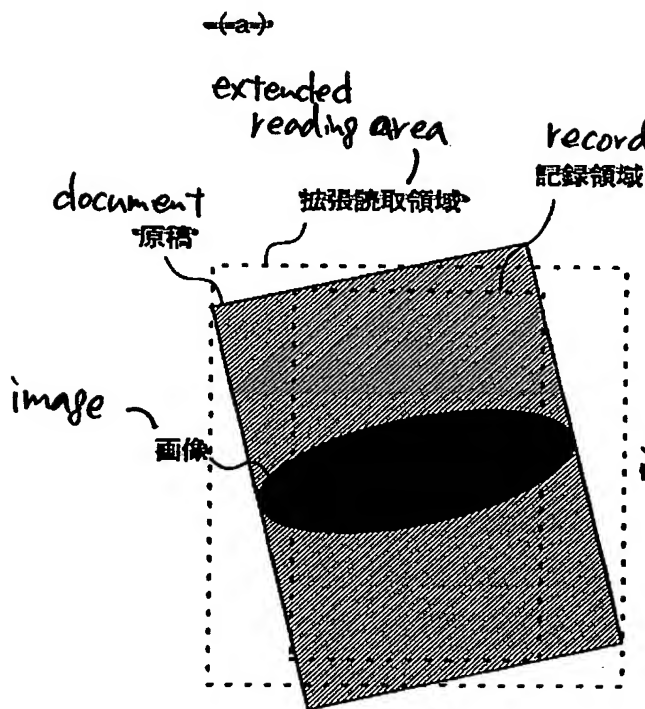


Fig. 7B

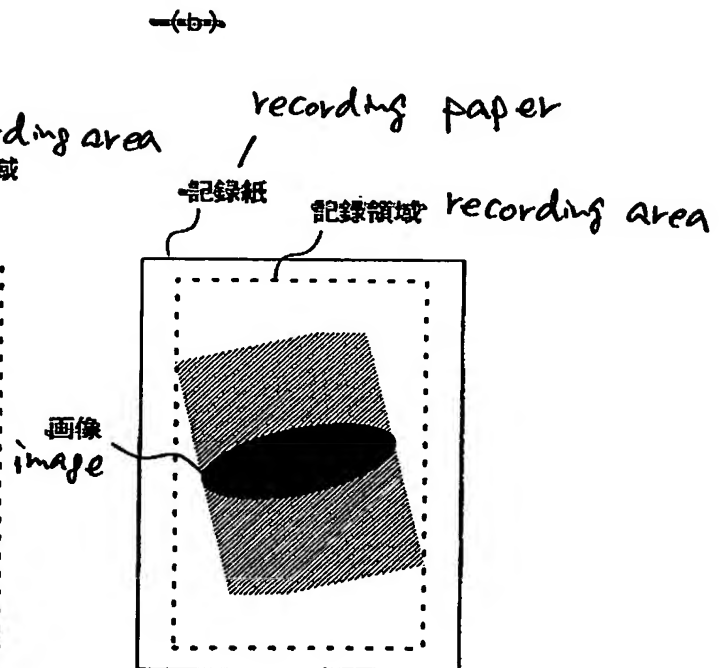


Fig. 8

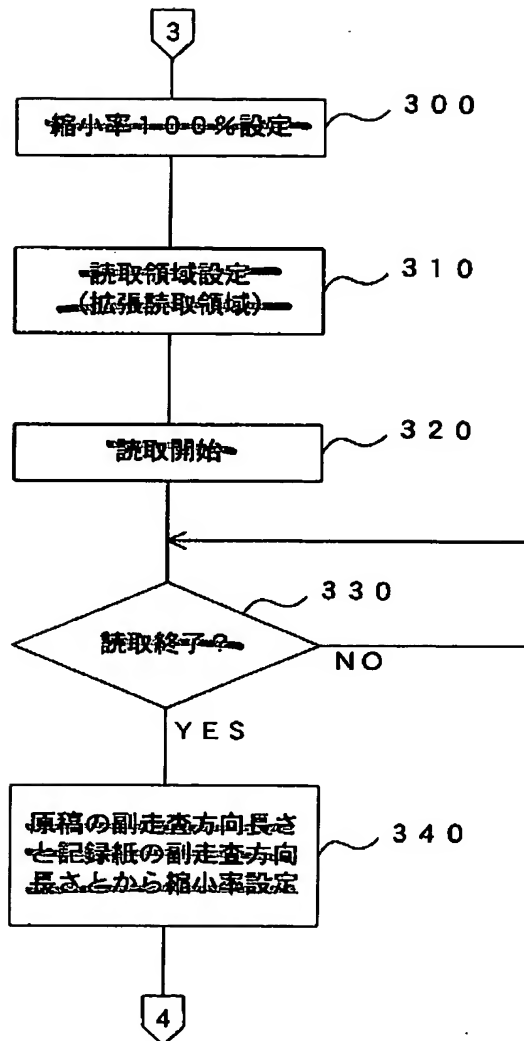


FIG. 8

300: SET REDUCTION RATIO AT 100 %.

310: SET READING AREA (EXTENDED READING AREA).

320: START READING.

330: IS READING COMPLETED?

340: SET REDUCTION RATIO ON THE BASIS OF THE LENGTH OF DOCUMENT
IN SUB-SCANNING DIRECTION AND THE LENGTH OF RECORDING PAPER
IN SUB-SCANNING DIRECTION.

Prior Art

Fig. 9A

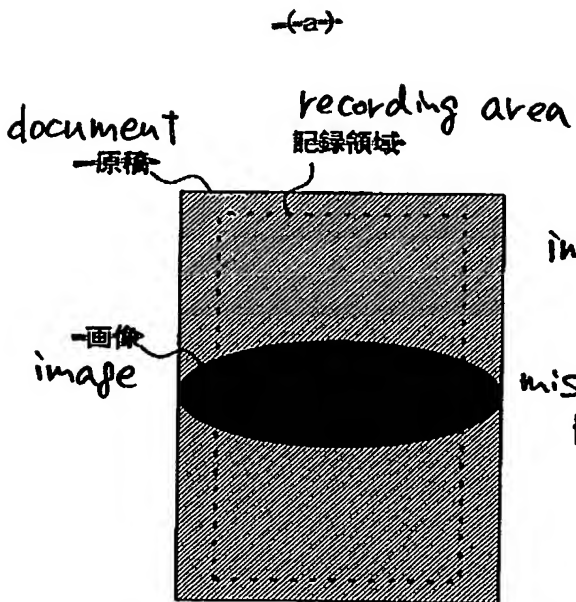
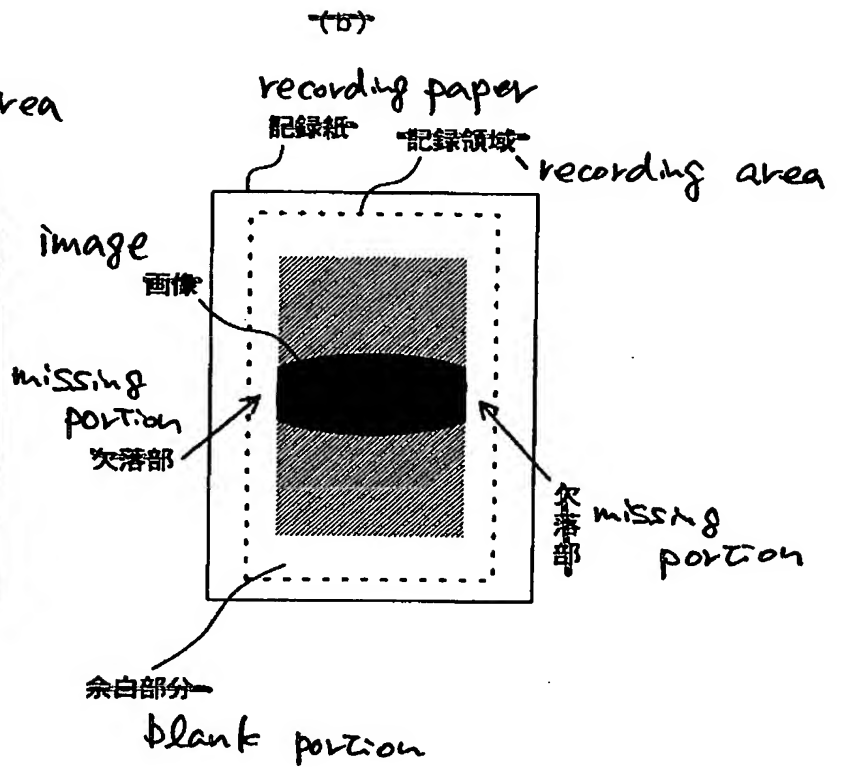


Fig. 9B



BEST AVAILABLE COPY

Fig. 10

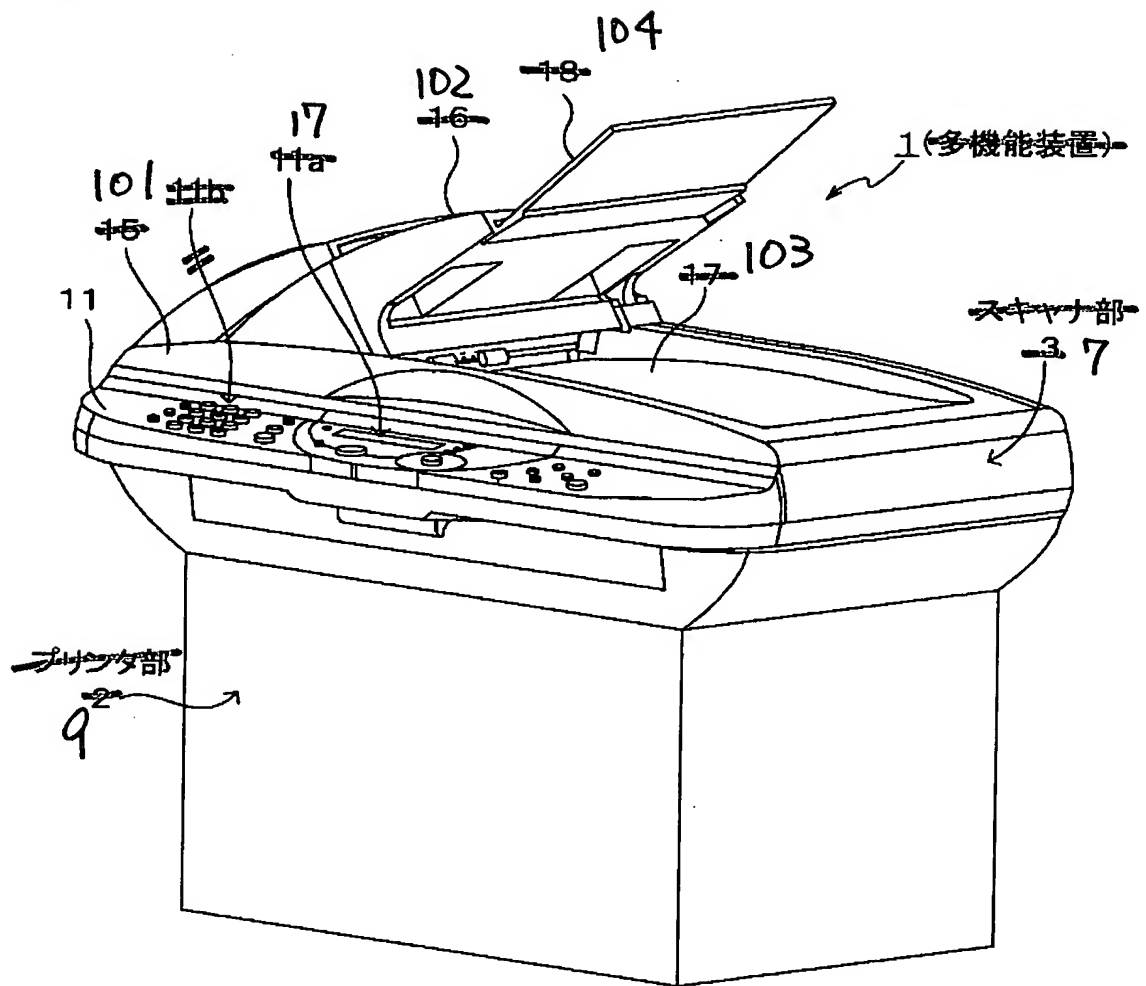


Fig. 11

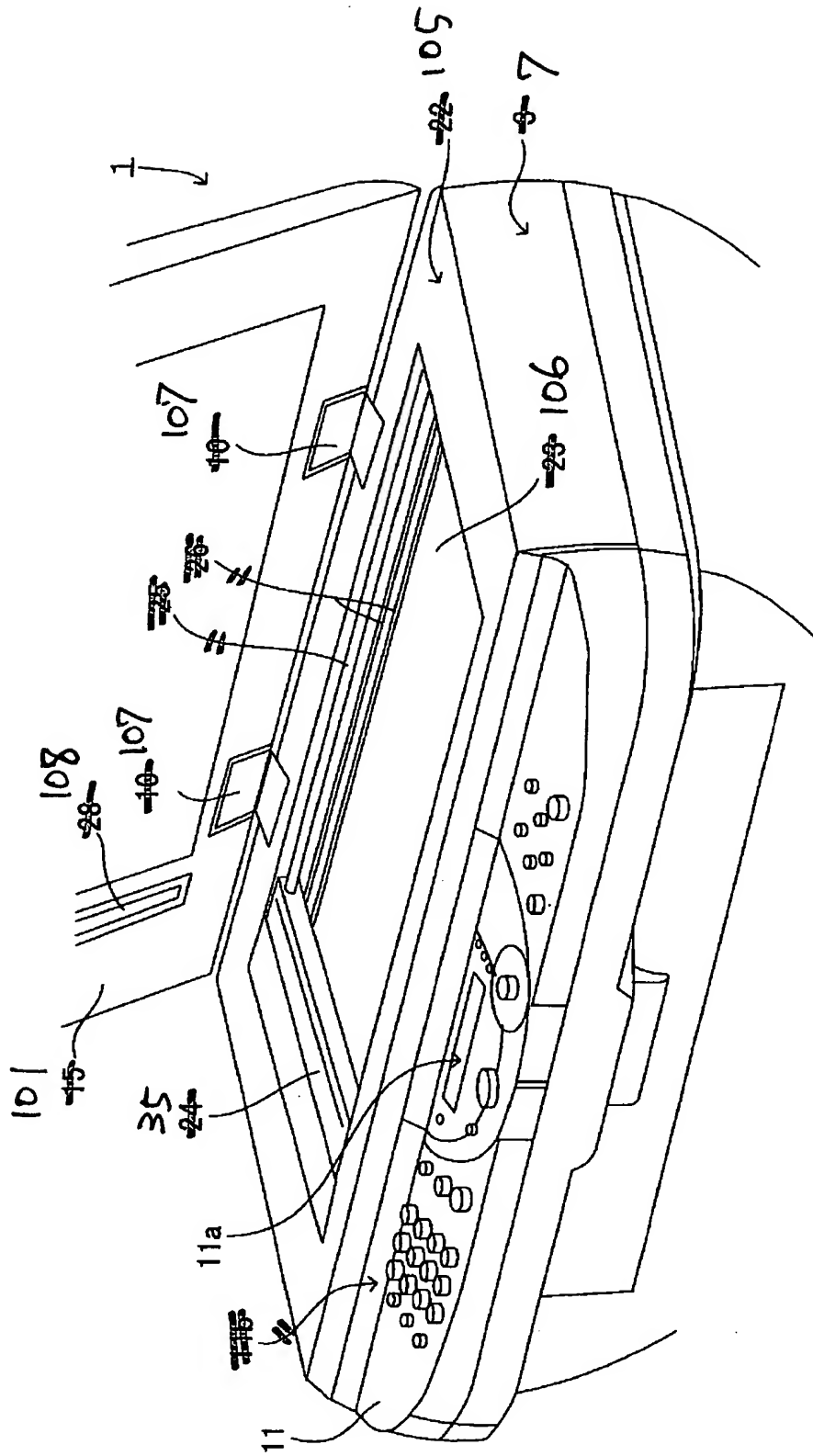


Fig. 12

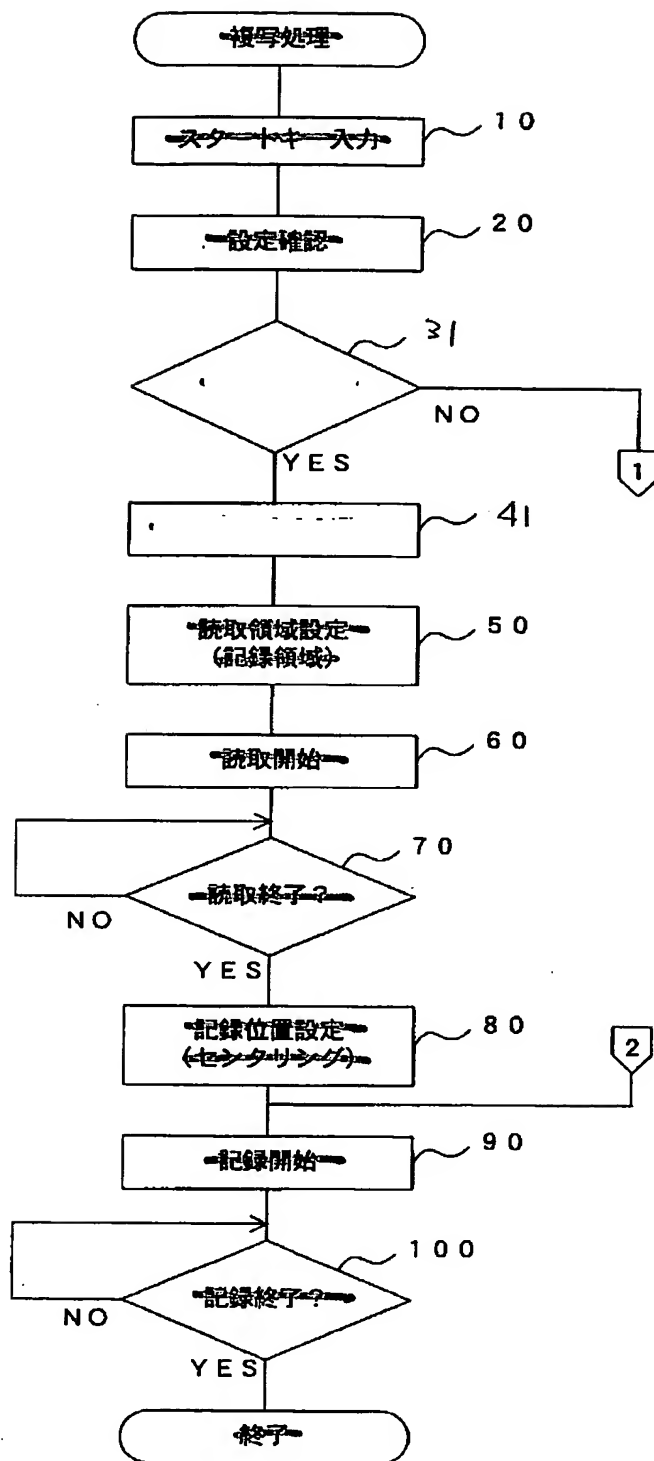


FIG. 12

10: INPUT START KEY.
20: CONFIRM SETTINGS.
31: INPUT VALUE \geq THRESHOLD VALUE?
41: SET INPUT VALUE AS REDUCTION RATIO
50: SET READING AREA (RECORDING AREA).
60: START READING.
70: IS READING COMPLETED?
80: SET RECORDING POSITION (CENTERING).
90: START RECORDING.
100: IS RECORDING COMPLETED?